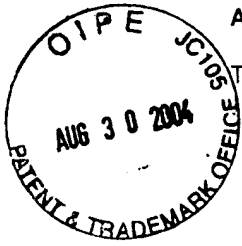


**COMBINED DECLARATION AND POWER OF ATTORNEY**



As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

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**METHOD OF DEPOSITING AN AMORPHOUS CARBON FILM FOR METAL ETCH HARDMASK APPLICATION**

**SPECIFICATION IDENTIFICATION**

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **March 12, 2004**, under Serial No. 10/800,112, executed on even date herewith; or
- ☐ Express Mail No. (as Serial No. not yet known) and was amended on \_\_\_\_\_ (if applicable)
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<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
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Country:  
Application No:  
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Full name of first inventor: **YUXIANG MAY WANG**

Inventor's signature:  Date: 03/18/04  
Residence: 2569 Marshall Drive  
Palo Alto, California 94303  
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U.S.A. Country of Citizenship: CHINA P.R.

Full name of second inventor: **DAVID R. BITTRICH**

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Residence: 25 McAker Court #115  
San Mateo, California 94403  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A

Full name of third inventor: **CHRISTOPHER DENNIS BENCHER**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 1251 Hazlett Court  
San Jose, California 95131  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: UNITED STATES

Full name of **fourth** inventor: **HERALDO L. BOTELHO**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 1050 Borregas Avenue #26  
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Post Office Address: Same as above.  
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Full name of **sixth** inventor: **MICHAEL CHIU KWAN**

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U.S.A. Country of Citizenship: CHINA P.R.

Full name of second inventor: **DAVID R. BITTRICH**

Inventor's signature: David R. Bittich Date: 3/30/04

Residence: ~~25 McAker Court #115~~  
~~San Mateo, California 94403~~

Post Office Address: Same as above. 540 1/2 W. Washington Ave #5  
U.S.A. Country of Citizenship: U.S.A. Madison, WI 53703

Full name of third inventor: **CHRISTOPHER DENNIS BENCHER**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 1251 Hazlett Court  
San Jose, California 95131

Post Office Address: Same as above.  
U.S.A. Country of Citizenship: UNITED STATES

Full name of **fourth** inventor: **HERALDO L. BOTELHO**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 1050 Borregas Avenue #26  
Sunnyvale, California 94089

Post Office Address: Same as above.  
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Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Post Office Address: Same as above.  
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Full name of **sixth** inventor: **MICHAEL CHIU KWAN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Country:  
Application No:  
Filing date:

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Post Office Address: Same as above.  
U.S.A. Country of Citizenship: CHINA P.R.

Full name of **second** inventor: **DAVID R. BITTRICH**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 25 McAker Court #115  
San Mateo, California 94403  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: U.S.A

Full name of **third** inventor: **CHRISTOPHER DENNIS BENCHER**

Inventor's signature:  Date: 6/23/04  
Residence: 1251 Hazlett Court  
San Jose, California 95131  
Post Office Address: Same as above.  
U.S.A. Country of Citizenship: UNITED STATES

Full name of **fourth** inventor: **HERALDO L. BOTELHO**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 1050 Borregas Avenue #26  
Sunnyvale, California 94089

Post Office Address: Same as above.  
U.S.A. Country of Citizenship: BRAZIL

Full name of **fifth** inventor: **SUDHA S.R. RATHI**

Inventor's signature: Sudha Rathi Date: 6-24-04

Residence: 2748 Westberry Drive  
San Jose, California 95132

Post Office Address: Same as above.  
U.S.A. Country of Citizenship: UNITED STATES

Full name of **sixth** inventor: **MICHAEL CHIU KWAN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 824 Corvallis Drive  
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U.S.A. Country of Citizenship: UNITED STATES

Full name of **fourth** inventor: **HERALDO L. BOTELHO**

Inventor's signature:  Date: 03/20/2004  
Residence: 1050 Borregas Avenue #26 20 KIRBY PL.  
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Post Office Address: Same as above. 03/20/04  
U.S.A. Country of Citizenship: **BRAZIL**

Full name of **fifth** inventor: **SUDHA S.R. RATHI**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 2748 Westberry Drive  
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U.S.A. Country of Citizenship: **UNITED STATES**

Full name of **sixth** inventor: **MICHAEL CHIU KWAN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 824 Corvallis Drive  
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**(DECLARATION ENDS WITH THIS PAGE)**





### COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

### INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### METHOD OF DEPOSITING AN AMORPHOUS CARBON FILM FOR METAL ETCH HARDMASK APPLICATION

### SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on **March 12, 2004**, under Serial No. 10/800,112, executed on even date herewith; or
- ☐ Express Mail No. (as Serial No. not yet known) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

### ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☒ No such applications have been filed.
- ☐ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
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<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

<u>Serial No.</u>	<u>Filing Date</u>
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**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☒ No such applications have been filed
- ☐ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
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## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Raymond Kam-On Kwong	Registration No. 37,165
Joseph Bach	Registration No. 37,771
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
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## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of **first** inventor: **YUXIANG MAY WANG**

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Full name of **second** inventor: **DAVID R. BITTRICH**

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Full name of **third** inventor: **CHRISTOPHER DENNIS BENCHER**

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U.S.A. Country of Citizenship: UNITED STATES

Full name of **fourth** inventor: **HERALDO L. BOTELHO**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

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U.S.A. Country of Citizenship: BRAZIL

Full name of **fifth** inventor: **SUDHA S.R. RATHI**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Full name of **sixth** inventor: **MICHAEL CHIU KWAN**

Inventor's signature:  Date: 8/12/04

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**(DECLARATION ENDS WITH THIS PAGE)**